

**CLAIMS:**

What is claimed is:

- 5 1. A method of modifying computer program data,  
comprising:  
receiving the computer program data;  
searching the computer program data for a predefined  
temporal parameter; and  
10 modifying the value for the predefined temporal  
parameter based on a user profile.
2. The method of claim 1, wherein the user profile  
identifies a disability of a user, and wherein modifying  
15 the value for the predefined temporal parameter based on  
the user profile includes modifying the value of the  
predefined temporal parameter based on the disability of  
the user.
- 20 3. The method of claim 1, wherein the user profile  
includes at least one of an identifier of a user  
disability, an identifier of the predefined temporal  
parameter, and a preferred value for the predefined  
temporal parameter.
- 25 4. The method of claim 1, wherein the user profile  
includes an identifier of the predefined temporal  
parameter, and wherein searching the computer program  
data for the predefined temporal parameter includes  
30 searching the computer program data based on the user  
profile.

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5. The method of claim 1, wherein the computer program data is received from a content server.

6. The method of claim 1, wherein the computer program  
5 data is received from a proxy server.

7. The method of claim 1, wherein the computer program data is received from a storage device.

10 8. The method of claim 1, wherein the computer program data is a HyperText Markup Language document.

9. The method of claim 1, wherein the predefined temporal parameter is one of a HyperText Transport  
15 Protocol refresh rate, a frame rate, an animated GIF timing interval, a banner scroll rate, and a timing interval.

10. The method of claim 1, wherein the user profile  
20 includes a preferred value for the predefined temporal parameter, and wherein modifying the value for the predefined temporal parameter based on the user profile includes setting a value of the predefined temporal parameter in the computer program data to the preferred  
25 value for the predefined temporal parameter.

11. The method of claim 1, wherein the user profile includes a multiplier for the value of the predefined temporal parameter, and wherein modifying the value for the predefined temporal parameter based on the user  
5 profile includes multiplying an original value of the predefined temporal parameter in the computer program data by the multiplier and setting a modified value of the predefined temporal parameter to the product of the multiplier and the original value of the predefined  
10 temporal parameter.

12. The method of claim 1, wherein the user profile includes an identifier of a disability of a user, and wherein modifying the value for the predefined temporal  
15 parameter based on the user profile includes:  
    identifying the predefined temporal parameter based on the identifier of the disability of the user; and  
    determining a value for the predefined temporal parameter based on the identifier of the disability of  
20 the user.

13. The method of claim 1, further comprising interpreting the computer program data to produce an output modified for use by a disabled user.  
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14. An apparatus for modifying computer program data, comprising:  
    means for receiving computer program data;  
    means for searching the computer program data for a  
30 predefined temporal parameter; and  
    means for modifying the value for the predefined temporal parameter based on a user profile.

15. The apparatus of claim 14, wherein the user profile identifies a disability of a user, and wherein the means for modifying the value for the predefined temporal parameter based on the user profile includes means for  
5 modifying the value of the predefined temporal parameter based on the disability of the user.

16. The apparatus of claim 14, wherein the user profile includes at least one of an identifier of a user  
10 disability, an identifier of the predefined temporal parameter, and a preferred value for the predefined temporal parameter.

17. The apparatus of claim 14, wherein the user profile  
15 includes an identifier of the predefined temporal parameter, and wherein the means for searching the computer program data for the predefined temporal parameter includes means for searching the computer program data based on the user profile.

18. The apparatus of claim 14, wherein the computer program data is received from a content server.

19. The apparatus of claim 14, wherein the computer  
25 program data is received from a proxy server.

20. The apparatus of claim 14, wherein the computer program data is received from a storage device.

30 21. The apparatus of claim 14, wherein the computer program data is a HyperText Markup Language document.

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22. The apparatus of claim 14, wherein the predefined temporal parameter is one of a HyperText Transport Protocol refresh rate, a frame rate, an animated GIF timing interval, a banner scroll rate, and a timing  
5 interval.

23. The apparatus of claim 14, wherein the user profile includes a preferred value for the predefined temporal parameter, and wherein the means for modifying the value  
10 for the predefined temporal parameter based on the user profile includes means for setting a value of the predefined temporal parameter in the computer program data to the preferred value for the predefined temporal parameter.

15 24. The apparatus of claim 14, wherein the user profile includes a multiplier for the value of the predefined temporal parameter, and wherein the means for modifying the value for the predefined temporal parameter based on  
20 the user profile includes:

means for multiplying an original value of the predefined temporal parameter in the computer program data by the multiplier; and

25 means for setting a modified value of the predefined temporal parameter to the product of the multiplier and the original value of the predefined temporal parameter.

25. The apparatus of claim 14, wherein the user profile includes an identifier of a disability of a user, and wherein the means for modifying the value for the predefined temporal parameter based on the user profile  
5 includes:

means for identifying the predefined temporal parameter based on the identifier of the disability of the user; and

10 means for determining a value for the predefined temporal parameter based on the identifier of the disability of the user.

26. The apparatus of claim 14, further comprising means for interpreting the computer program data to produce an  
15 output modified for use by a disabled user.

27. A computer program product in a computer readable medium for modifying computer program data, comprising:  
20 first instructions for receiving computer program data;

second instructions for searching the computer program data for a predefined temporal parameter; and  
third instructions for modifying the value for the predefined temporal parameter based on a user profile.

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28. The computer program product of claim 27, wherein the user profile identifies a disability of a user, and wherein the third instructions include instructions for modifying the value of the predefined temporal parameter  
30 based on the disability of the user.

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29. The computer program product of claim 27, wherein the predefined temporal parameter is one of a HyperText Transport Protocol refresh rate, a frame rate, an animated GIF timing interval, a banner scroll rate, and a timing interval.

30. The computer program product of claim 27, wherein the user profile includes a preferred value for the predefined temporal parameter, and wherein the third instructions include instructions for setting a value of the predefined temporal parameter in the computer program data to the preferred value for the predefined temporal parameter.

31. The computer program product of claim 27, wherein the user profile includes a multiplier for the value of the predefined temporal parameter, and wherein the third instructions include:

instructions for multiplying an original value of the predefined temporal parameter in the computer program data by the multiplier; and

instructions for setting a modified value of the predefined temporal parameter to the product of the multiplier and the original value of the predefined temporal parameter.

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32. The computer program product of claim 27, wherein the user profile includes an identifier of a disability of the user, and wherein the third instructions include:

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        instructions for identifying the predefined temporal
5  parameter based on the identifier of the disability of
        the user; and

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instructions for determining a value for the predefined temporal parameter based on the identifier of the disability of the user.

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33. The computer program product of claim 27, further comprising fourth instructions for interpreting the computer program data to produce an output modified for use by a disabled user.

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